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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of :  
: Robert L. CAMPBELL et al. :  
: Serial No. 09/359,260 : Art Unit: 1631  
: Filed: July 22, 1999 : Examiner: Ardin H. Marschel  
: For: METHODS, APPARATUS AND COMPUTER PROGRAM PRODUCTS FOR  
FORMULATING CULTURE MEDIA

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**RESPONSE AND AMENDMENT UNDER 37 C.F.R. §1.116**

This response is being filed in response to the Office Action mailed August 10, 2004 and further to the Restriction Requirement mailed April 21, 2004.

**Amendment to the Claims** begin on Page 2 of this paper.

**Remarks** begin on Page 24 of this paper.

**Conclusion** begins on Page 46 of this paper.

**Restriction Requirement Response** begins on Page 47 of this paper.

**Authorization** begins on Page 50 of this paper.